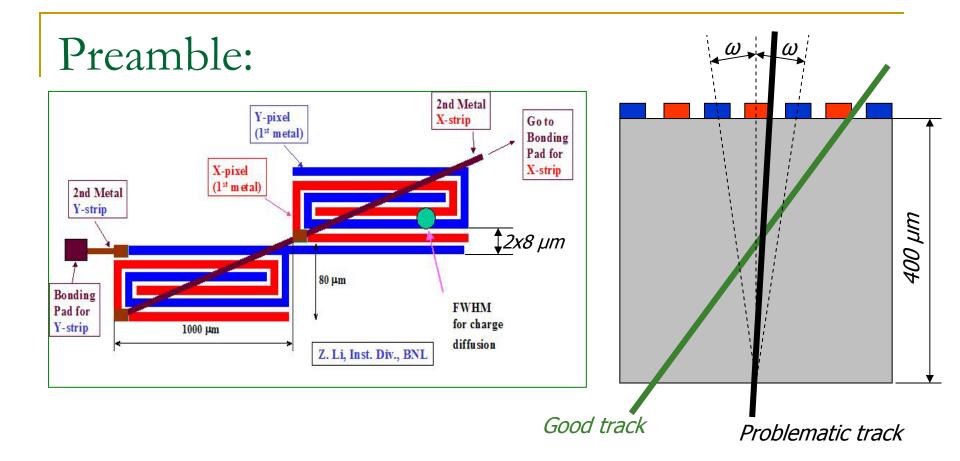
## "Comb"microstructure vs "Spiral"

Charge sharing in Stripixels

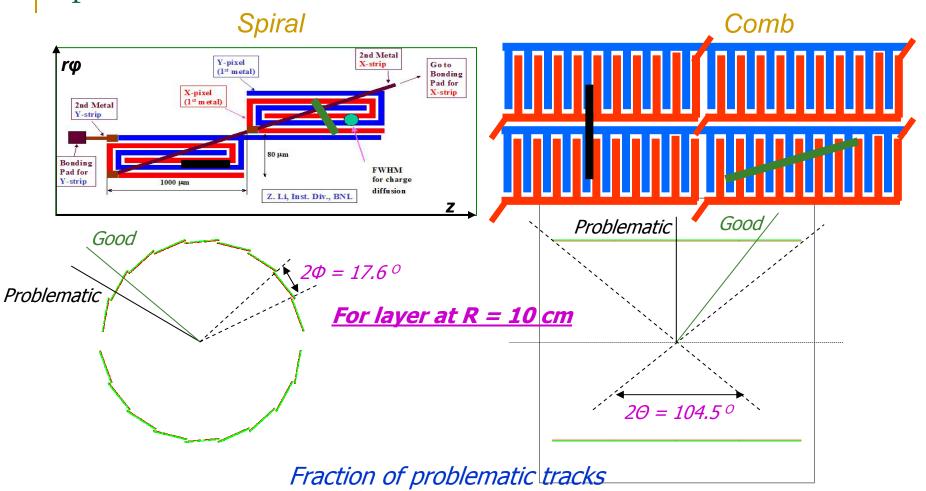
V. L. Rykov



Problematic tracks are those with crossing angles within:

 $\pm \omega \approx \pm 8/400 = \pm 0.02 \ rad \approx \pm 1.15^{\circ}$ 

## Spiral and Comb: where the difference comes from?



 $\omega/\Phi \approx 1.15/17.6 \approx 6.5\%$ 

 $\omega/\Theta \approx 1.15/104.5 \approx 1.1\%$ 

## The Bottom line:

From the view point of charge sharing between x and u readouts, for the "Comb" microstructure, the fraction of problematic hits would be smaller by a factor 5-6 or more compared to the "Spiral" version.